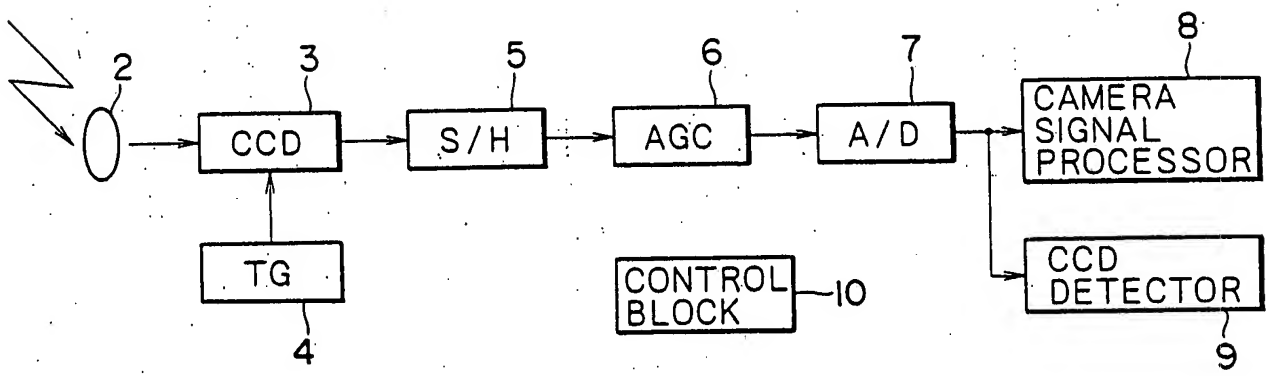
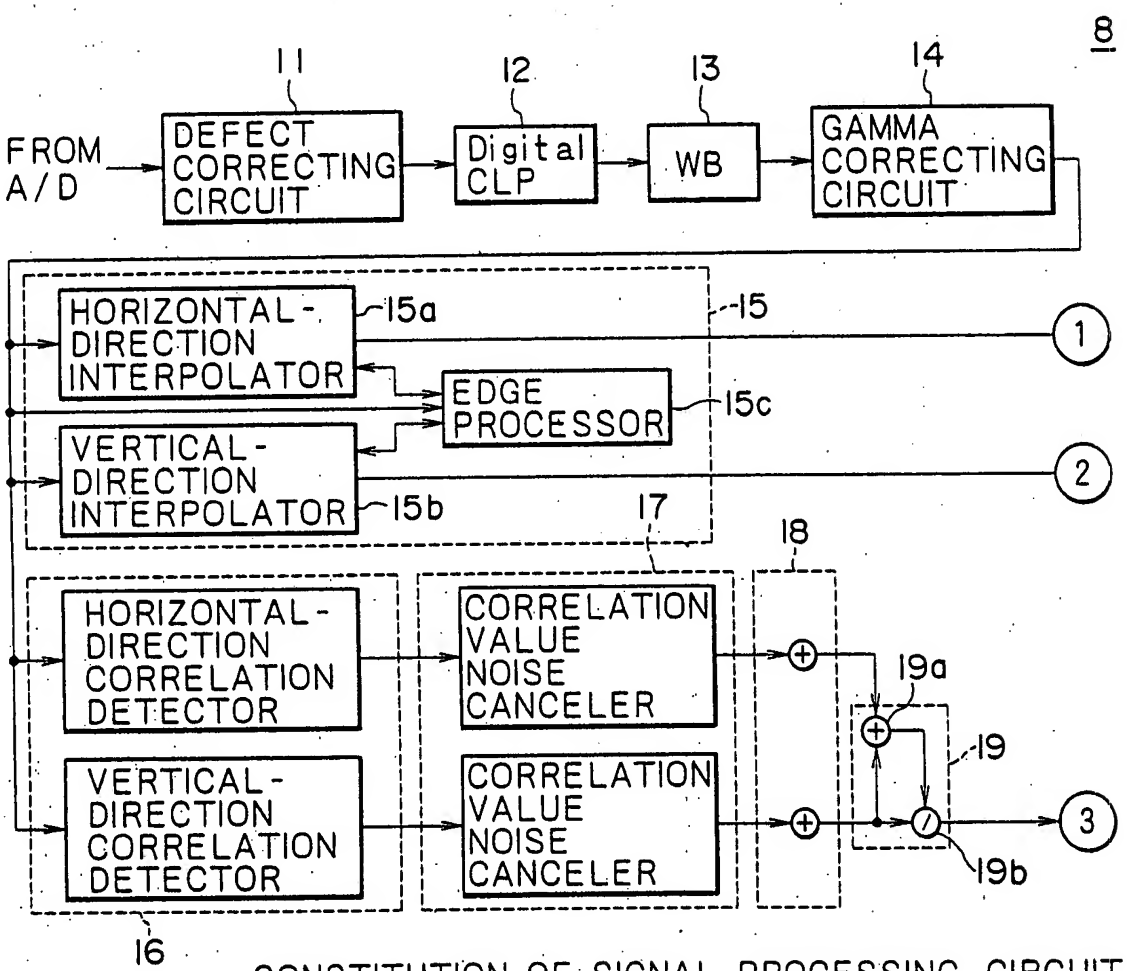
FIG. 1




CONSTITUTION OF CAMERA APPARATUS

FIG.2A




CONSTITUTION OF SIGNAL PROCESSING CIRCUIT

FIG. 2B

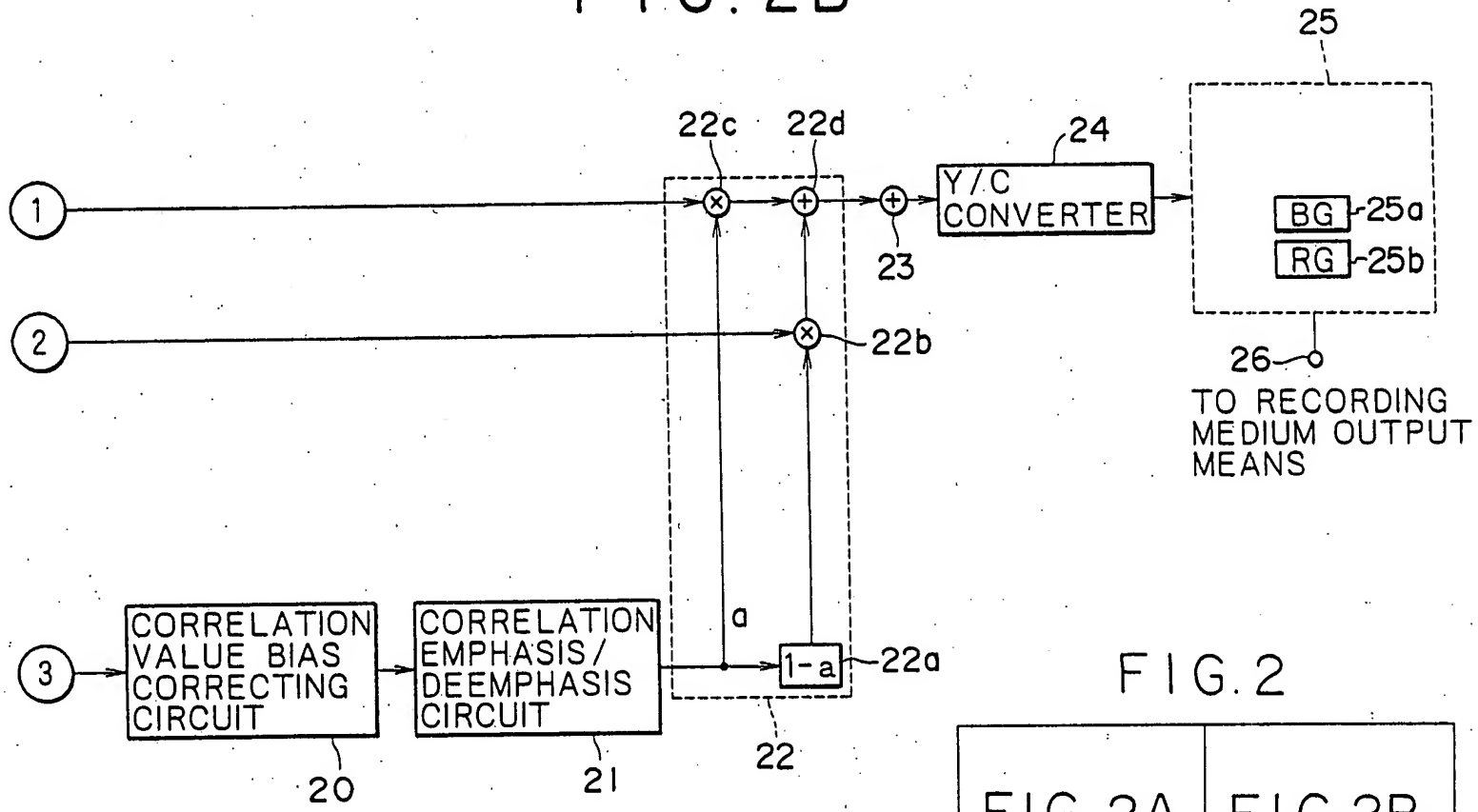



FIG. 2

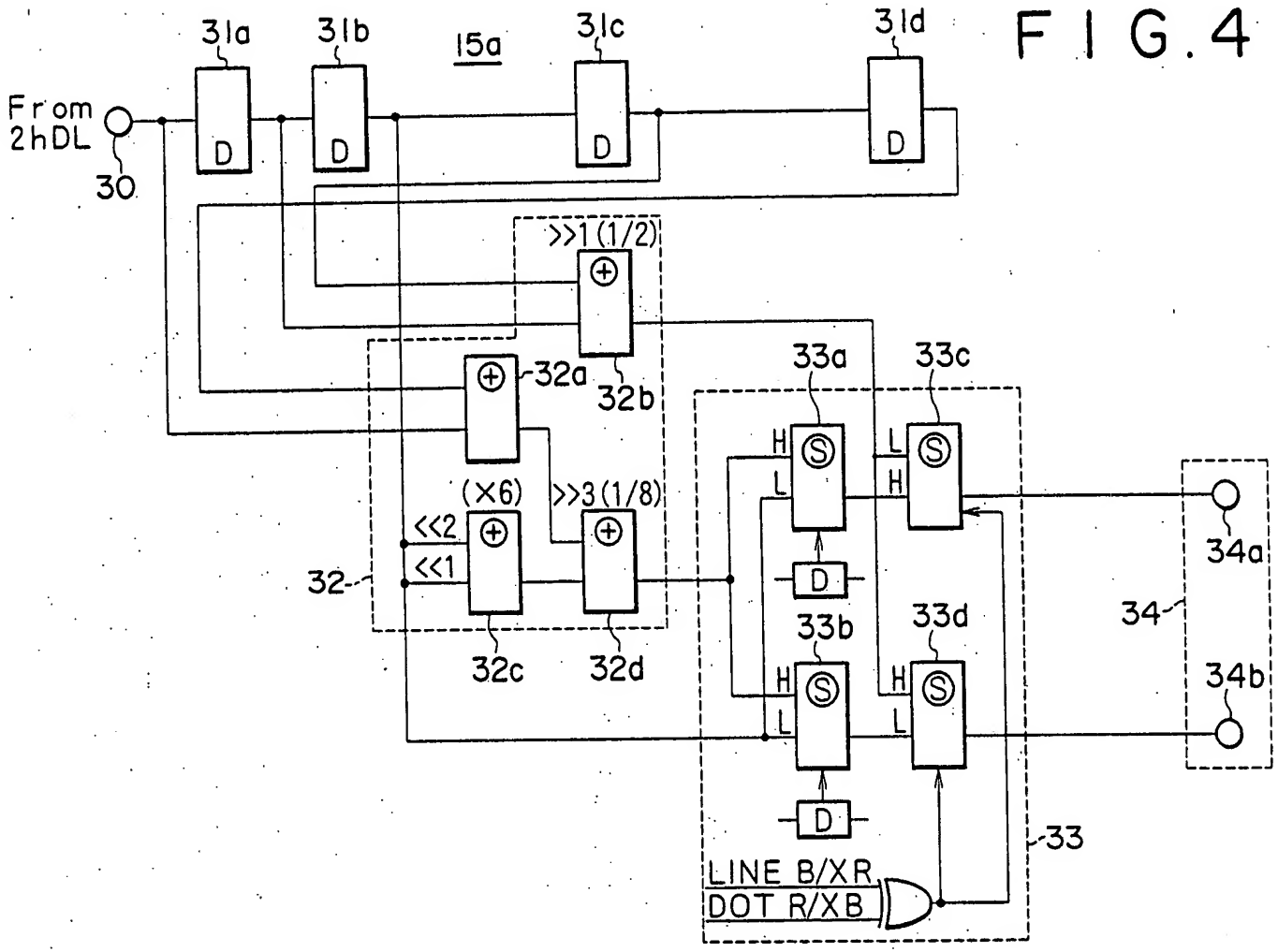
| FIG. 2A | FIG. 2B |
|---|---|

FIG. 3

| | | | | | | |
|---|---|---|---|---|---|---|
| 0h | G 00 | R 01 | G 02 | R 03 | G 04 | |
| 1h | B 10 | G 11 | B 12 | G 13 | B 14 | |
| 2h | G 20 | R 21 | G 22 | R 23 | G 24 | |
| 3h | B 30 | G 31 | B 32 | G 33 | B 34 | |
| 4h | G 40 | R 41 | G 42 | R 43 | G 44 | |

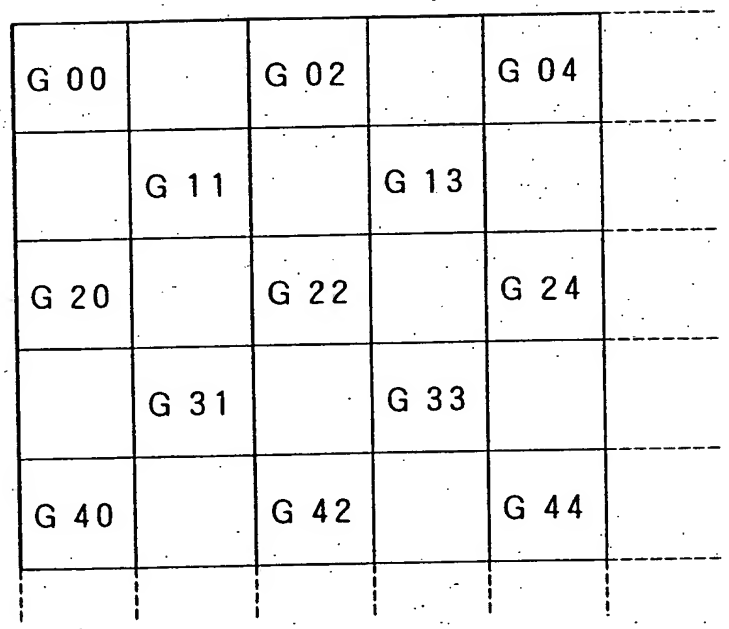
ARRANGEMENT OF PIXEL DATA

FIG.4



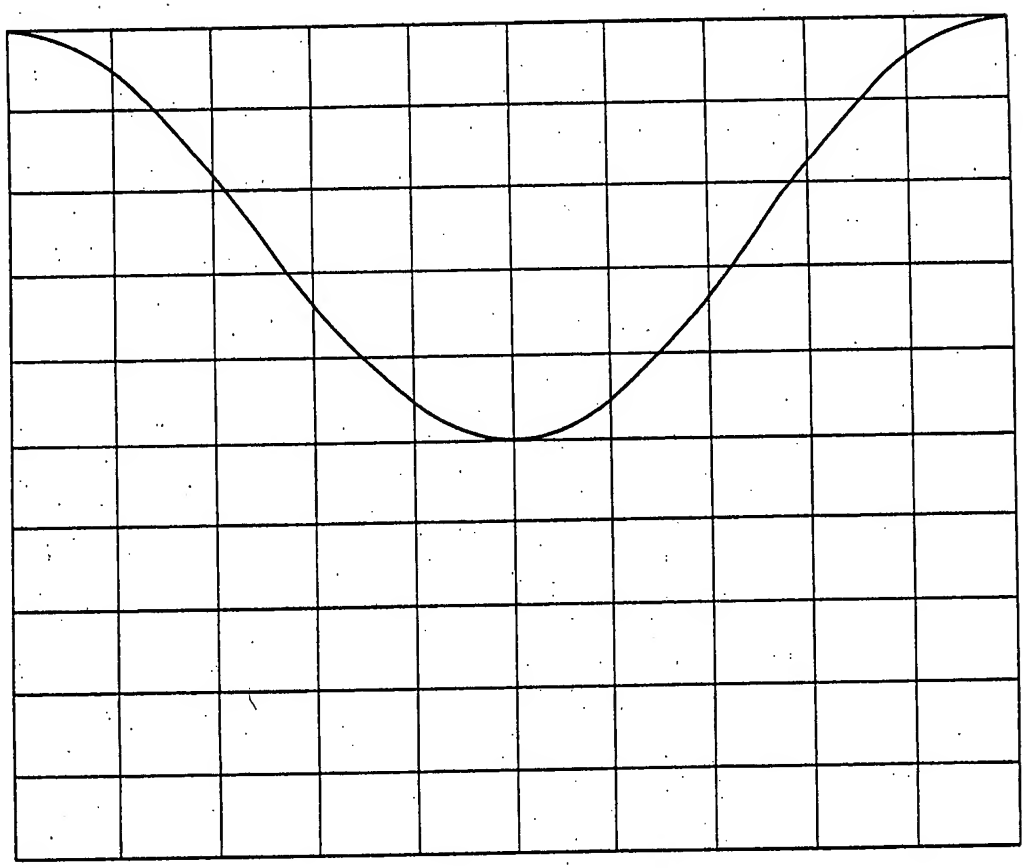

CONSTITUTION OF HORIZONTAL-DIRECTION INTERPOLATOR

FIG. 5



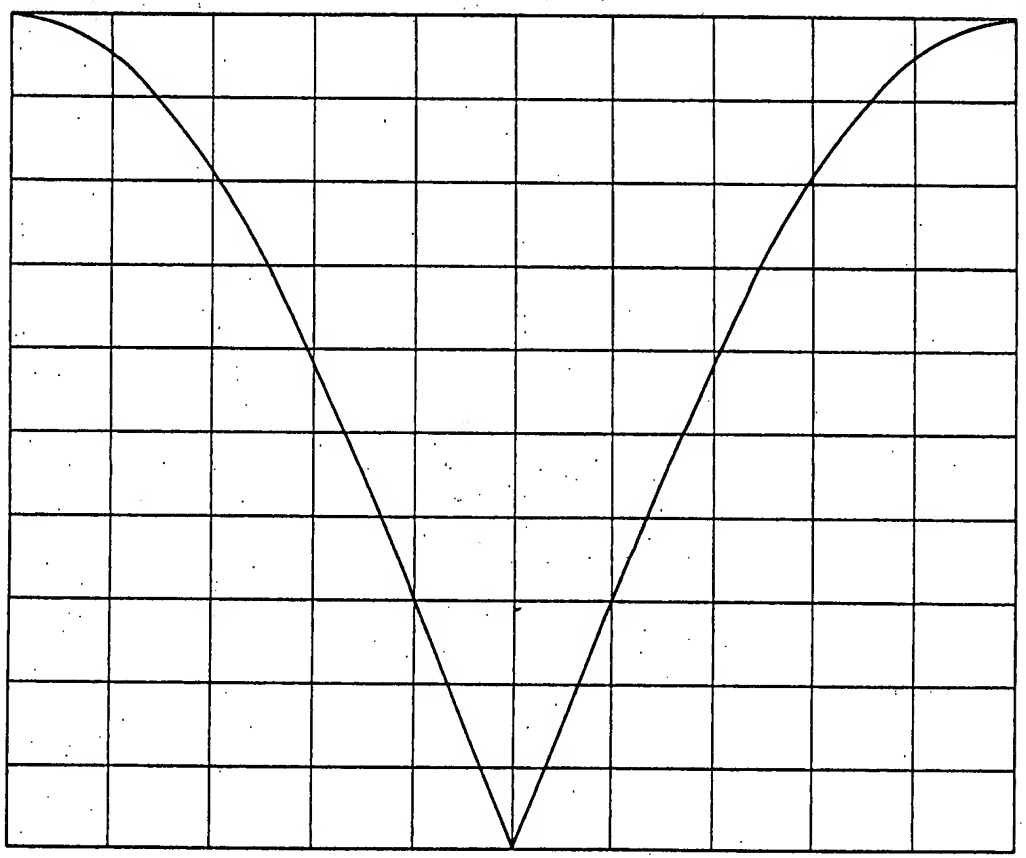

ARRANGEMENT OF PIXEL DATA

FIG.6



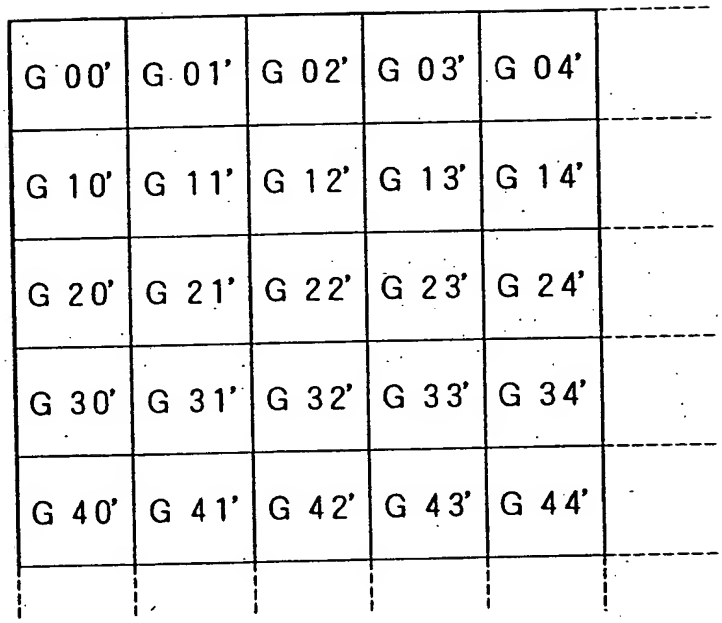
FREQUENCY CHARACTERISTIC OF LPF

FIG. 7



FREQUENCY CHARACTERISTIC OF LPF

FIG.8




INTERPOLATED PIXEL DATA

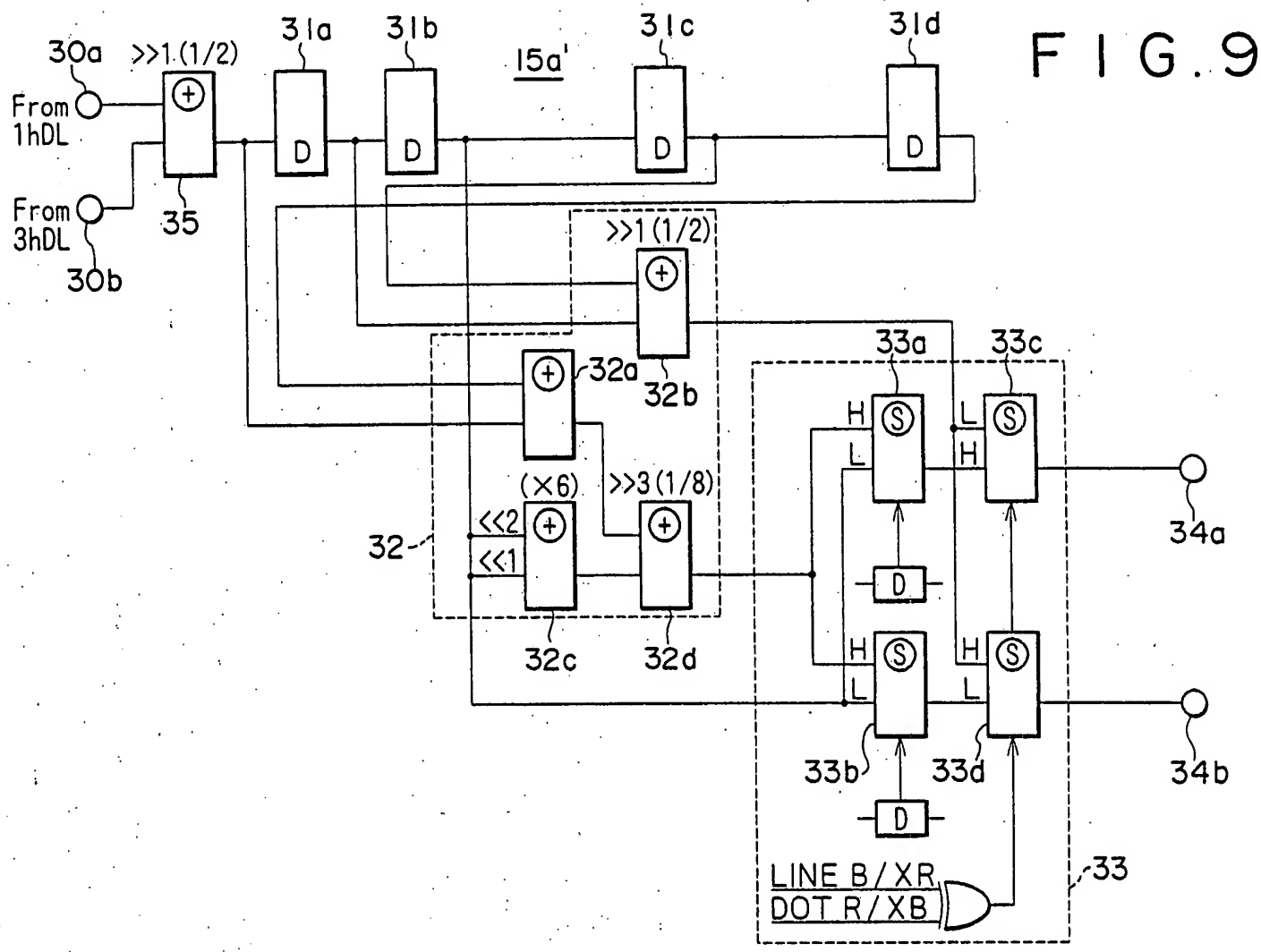
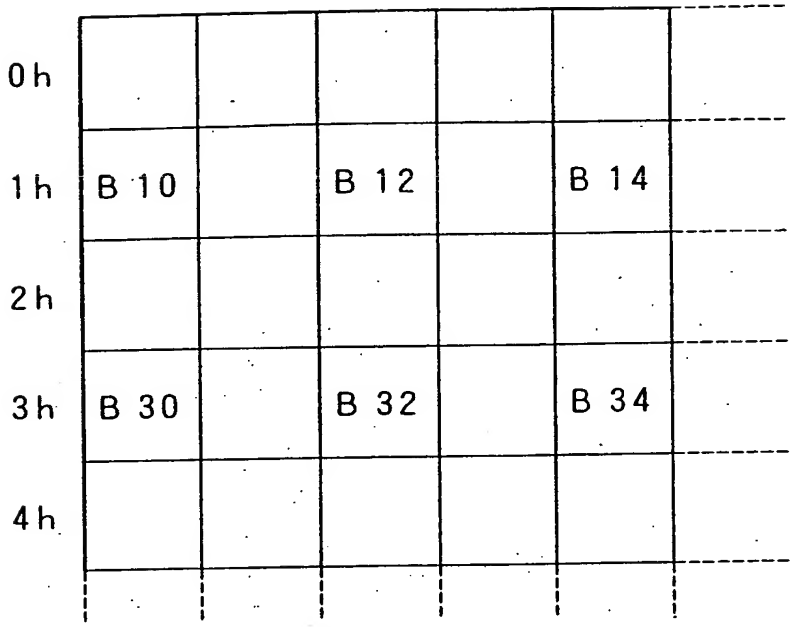



FIG. 9

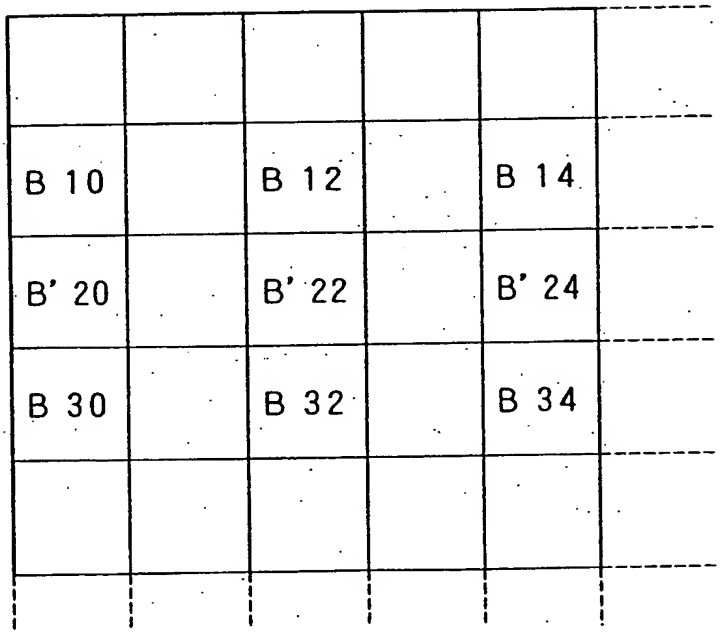
CONSTITUION OF HORIZONTAL-DIRECTION INTERPOLATOR

FIG. 10



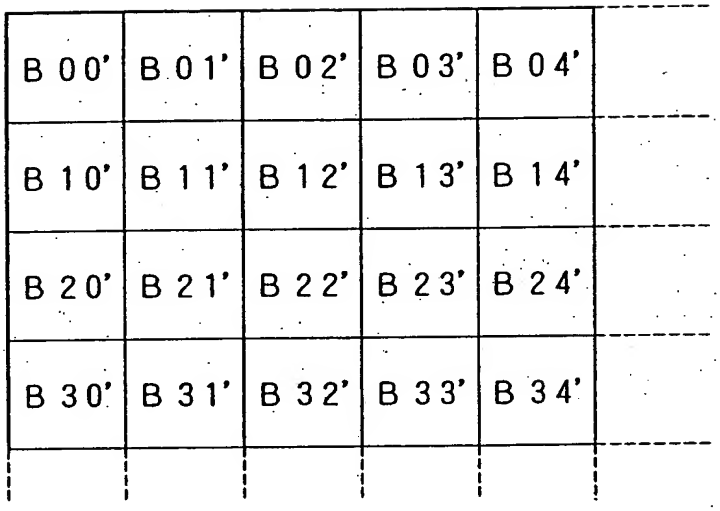

ARRANGEMENT OF PIXEL DATA

FIG. 11



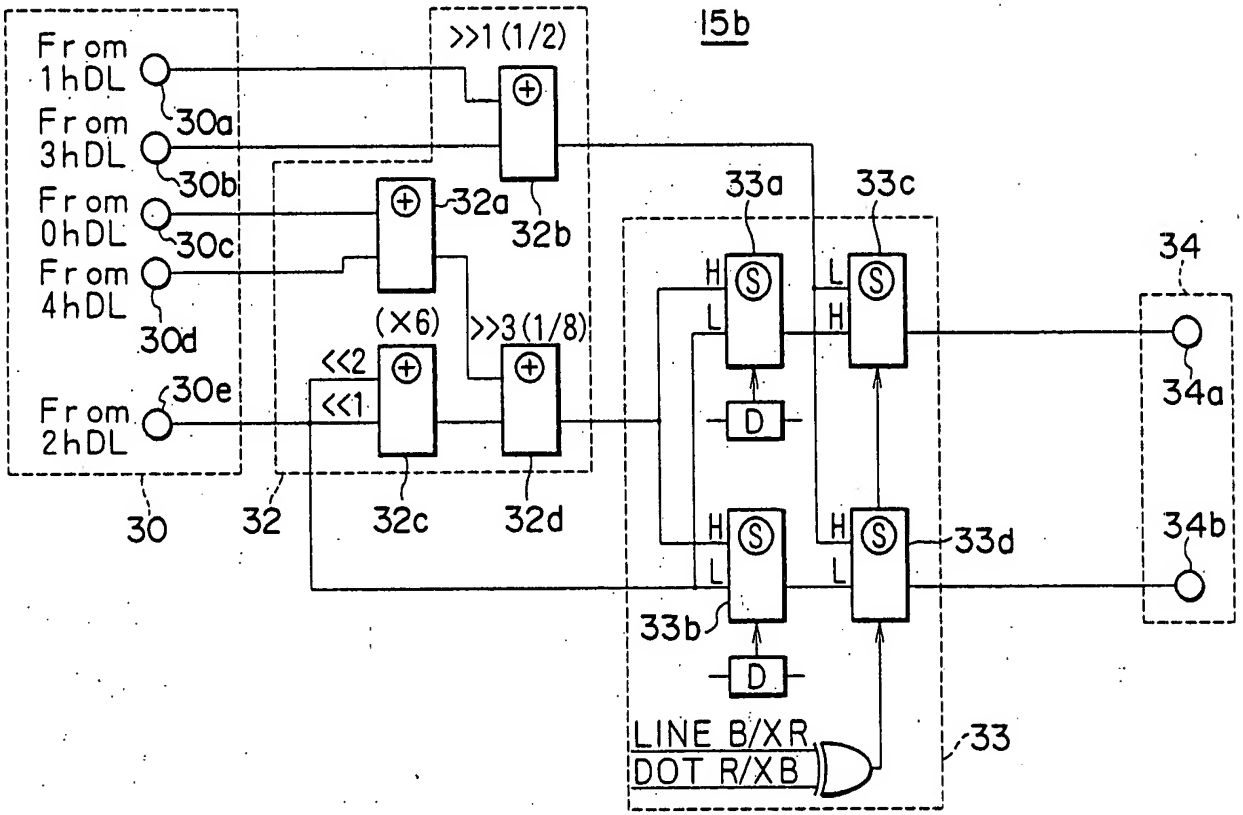

ARRANGEMENT OF PIXEL DATA

FIG. 12



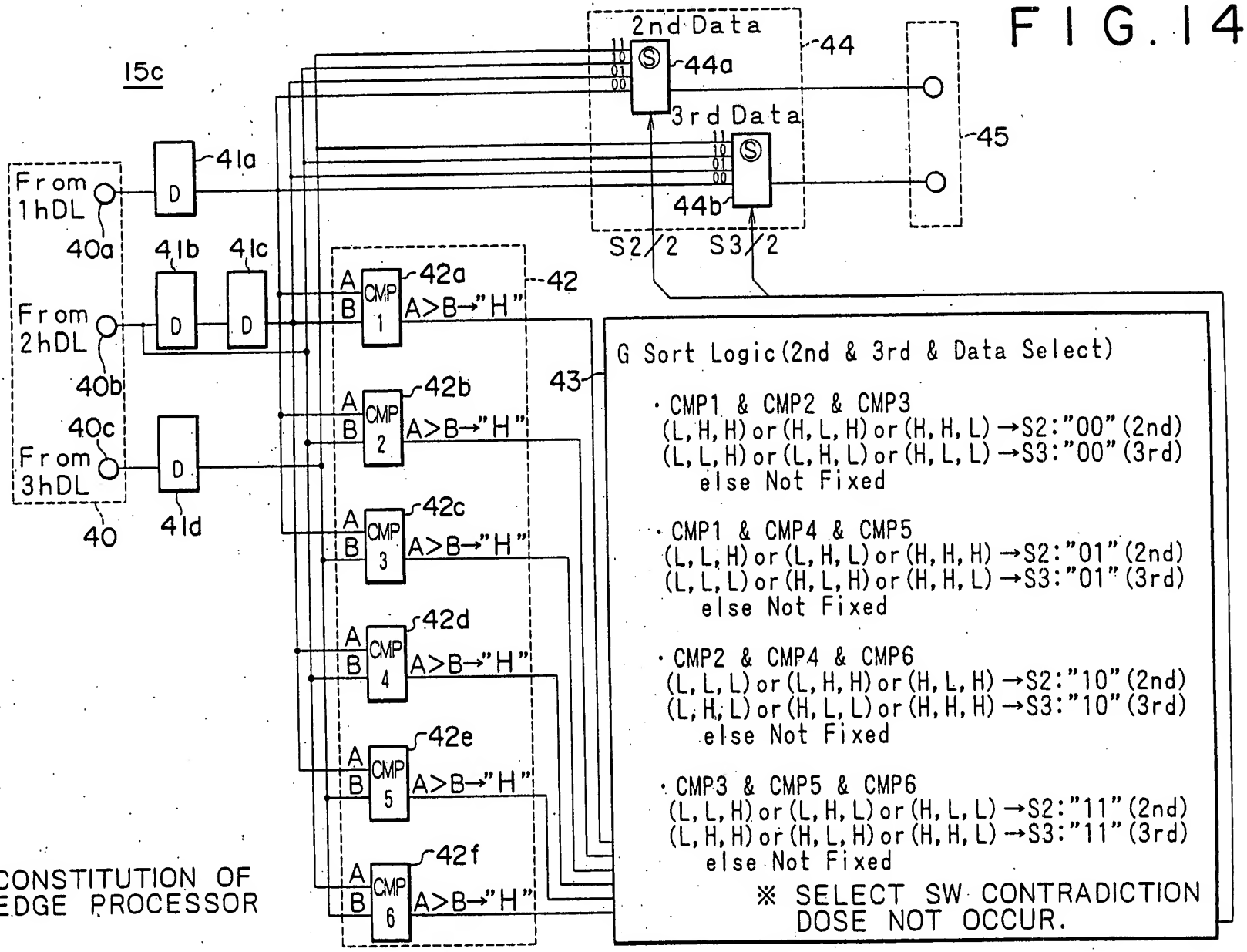

INTERPOLATED PIXEL DATA

FIG. 13



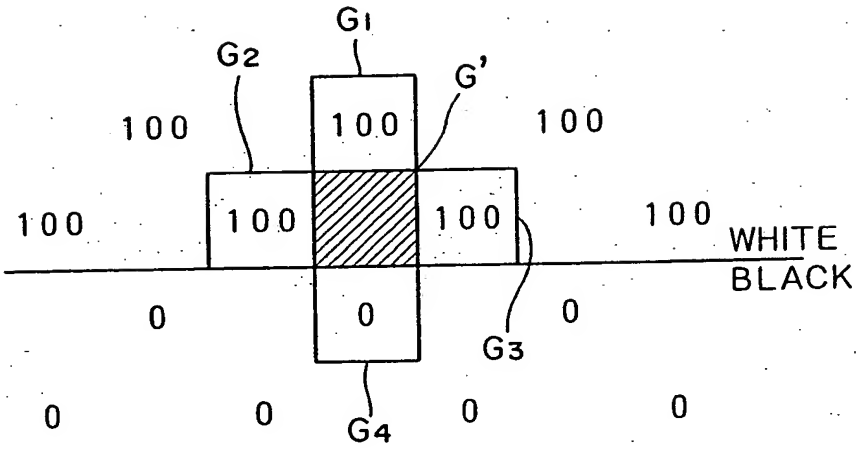

CONSTITUTION OF VERTICAL-DIRECTION INTERPOLATOR

FIG. 14



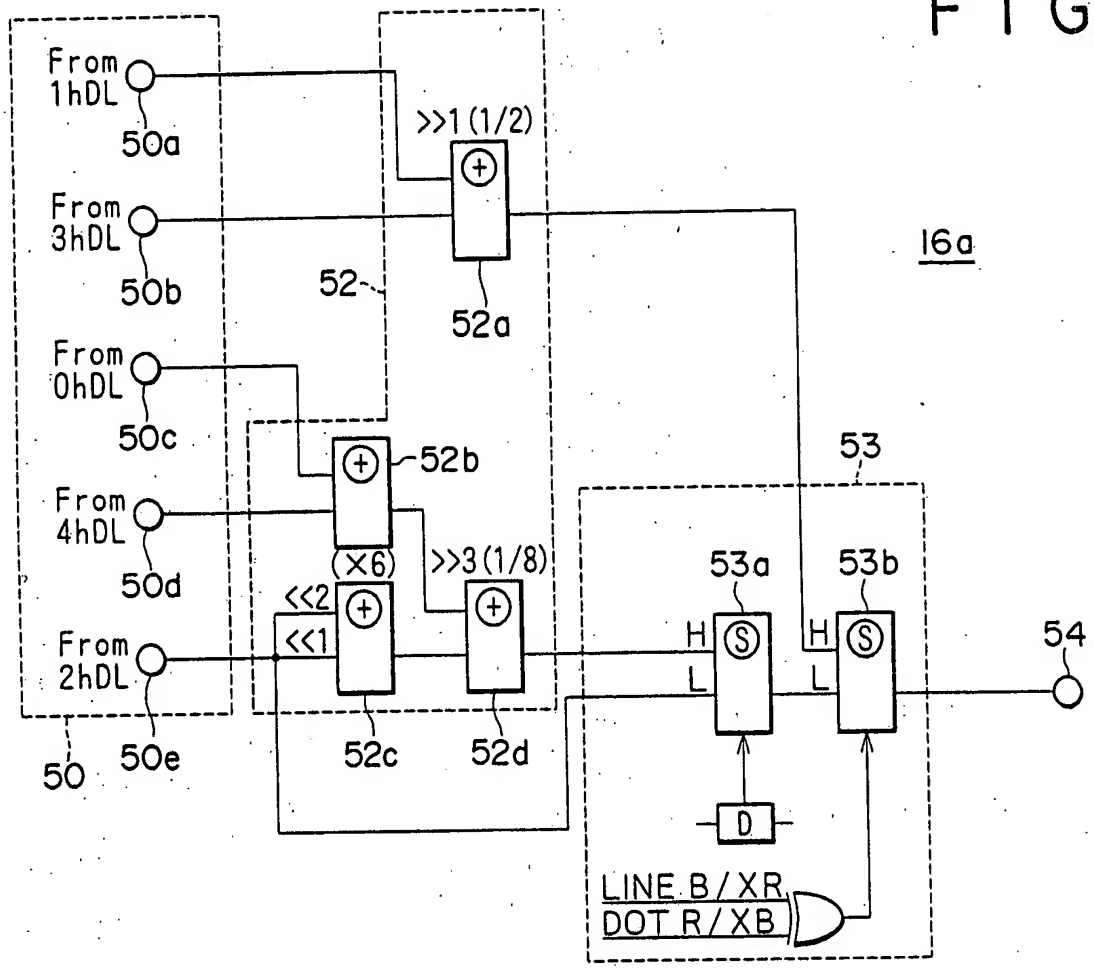

CONSTITUTION OF EDGE PROCESSOR

FIG. 15




EXAMPLE OF EDGE PROCESSING

FIG. 16




CONSTITUTION OF HORIZONTAL-DIRECTION CORRELATION DETECTOR

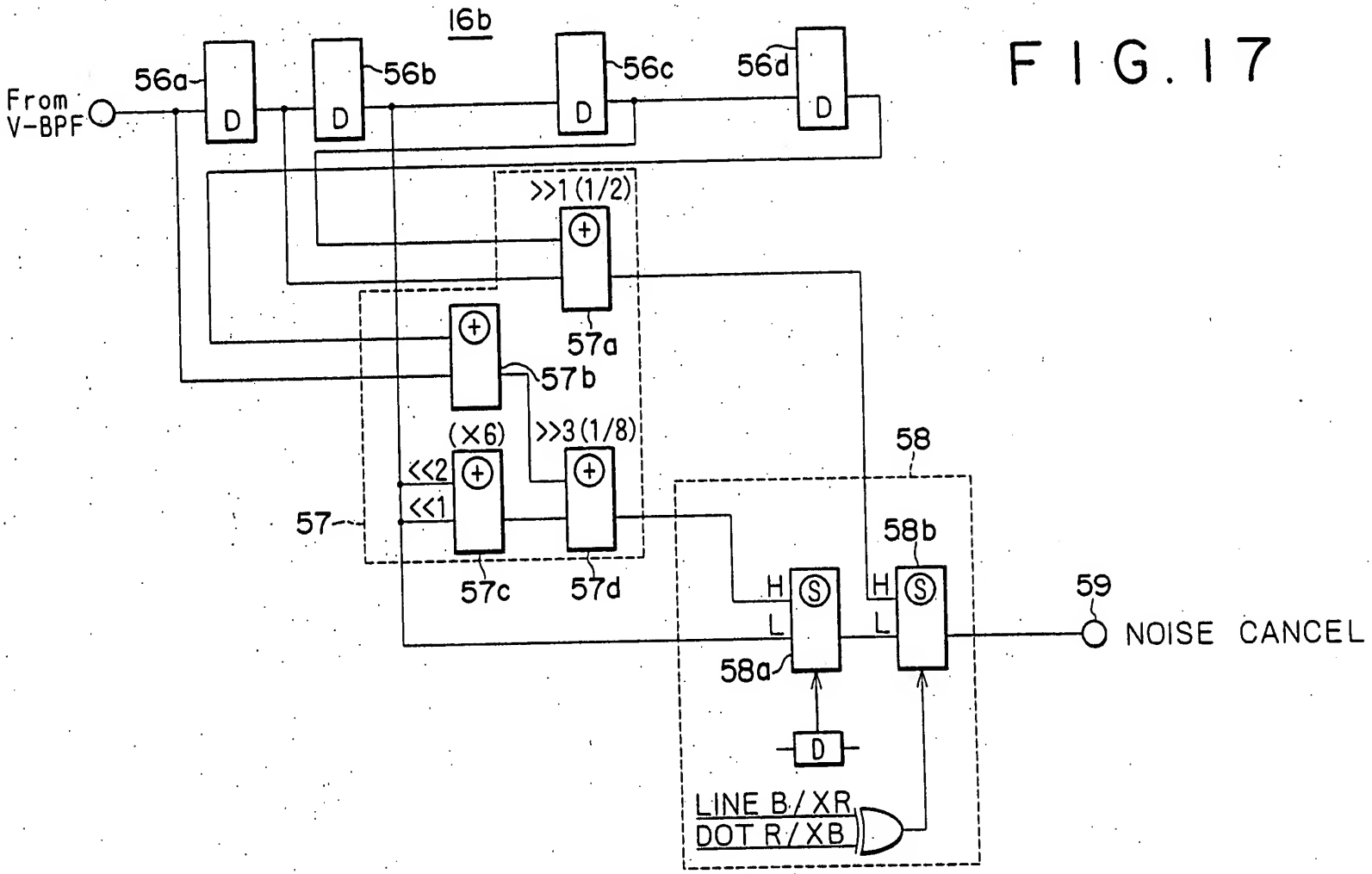
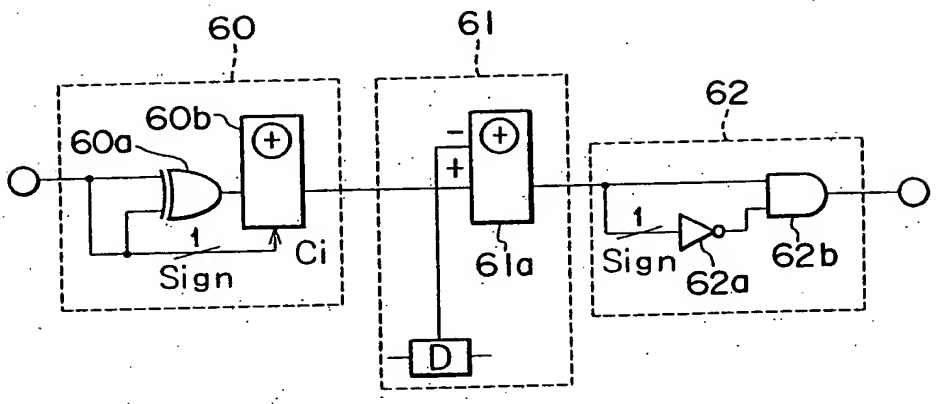



FIG. 17

CONSTITUTION OF VERTICAL-DIRECTION CORRELATION DETECTOR

FIG. 18




CONSTITUTION OF NOISE CANCELER

FIG. 19A

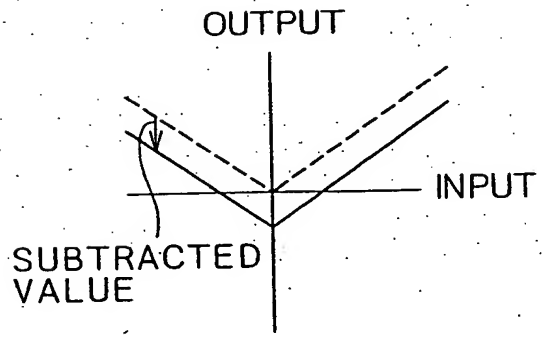
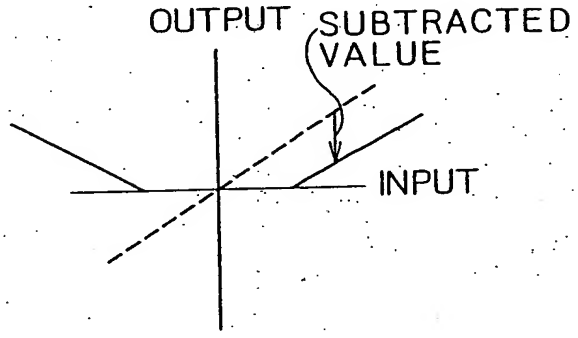


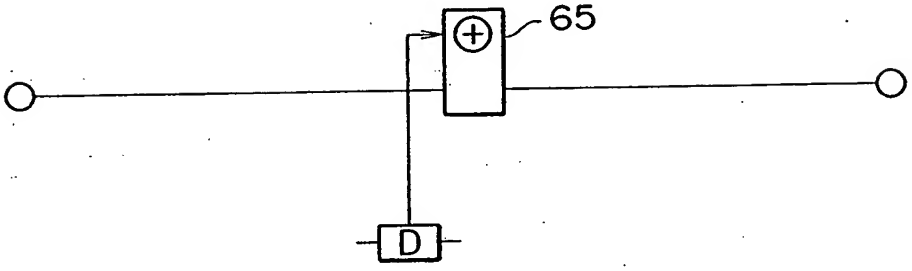

FIG. 19B




PROCESSING OF CORRELATION VALUE

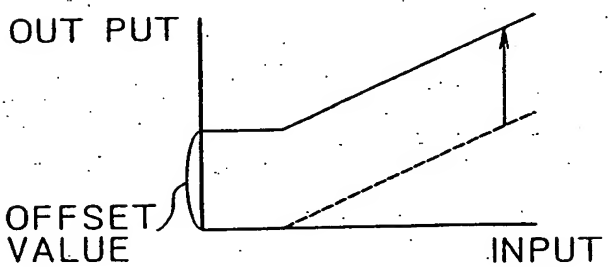
FIG. 20

18a, 18b



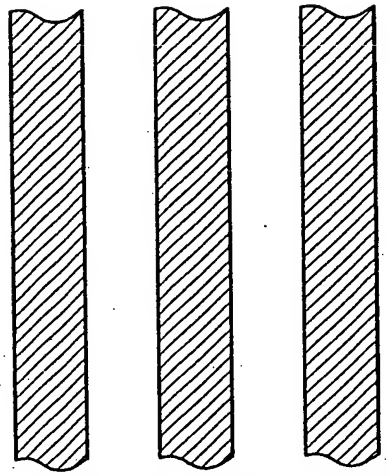

CONSTITUTION OF OFFSET CIRCUIT

FIG. 21



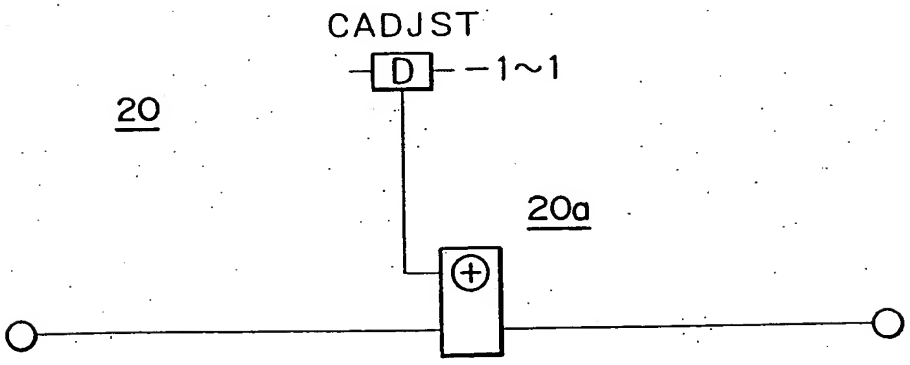

INPUT/OUTPUT CHARACTERISTIC

FIG.22



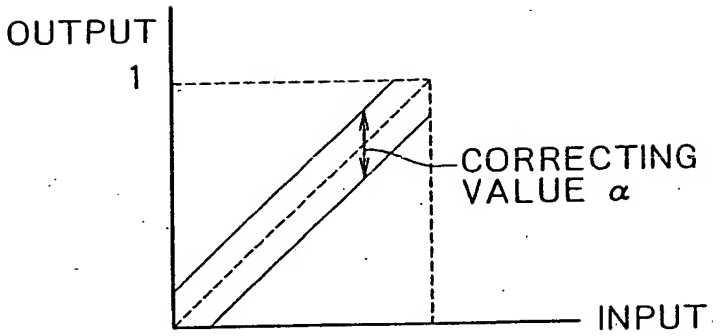

EXAMPLE OF IMAGE DATA

FIG.23



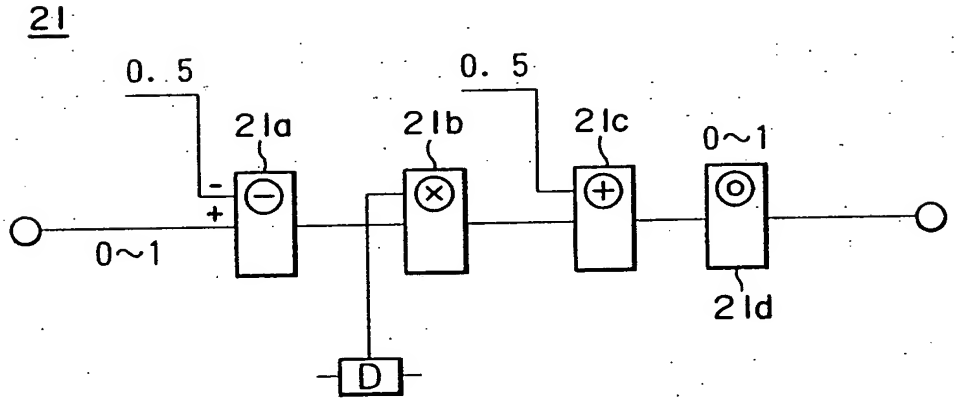

CONSTITUTION OF BIAS CORRECTING CIRCUIT

FIG.24



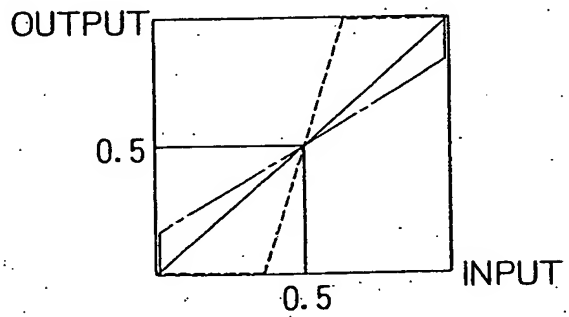

INPUT/OUTPUT CHARACTERISTIC

FIG.25



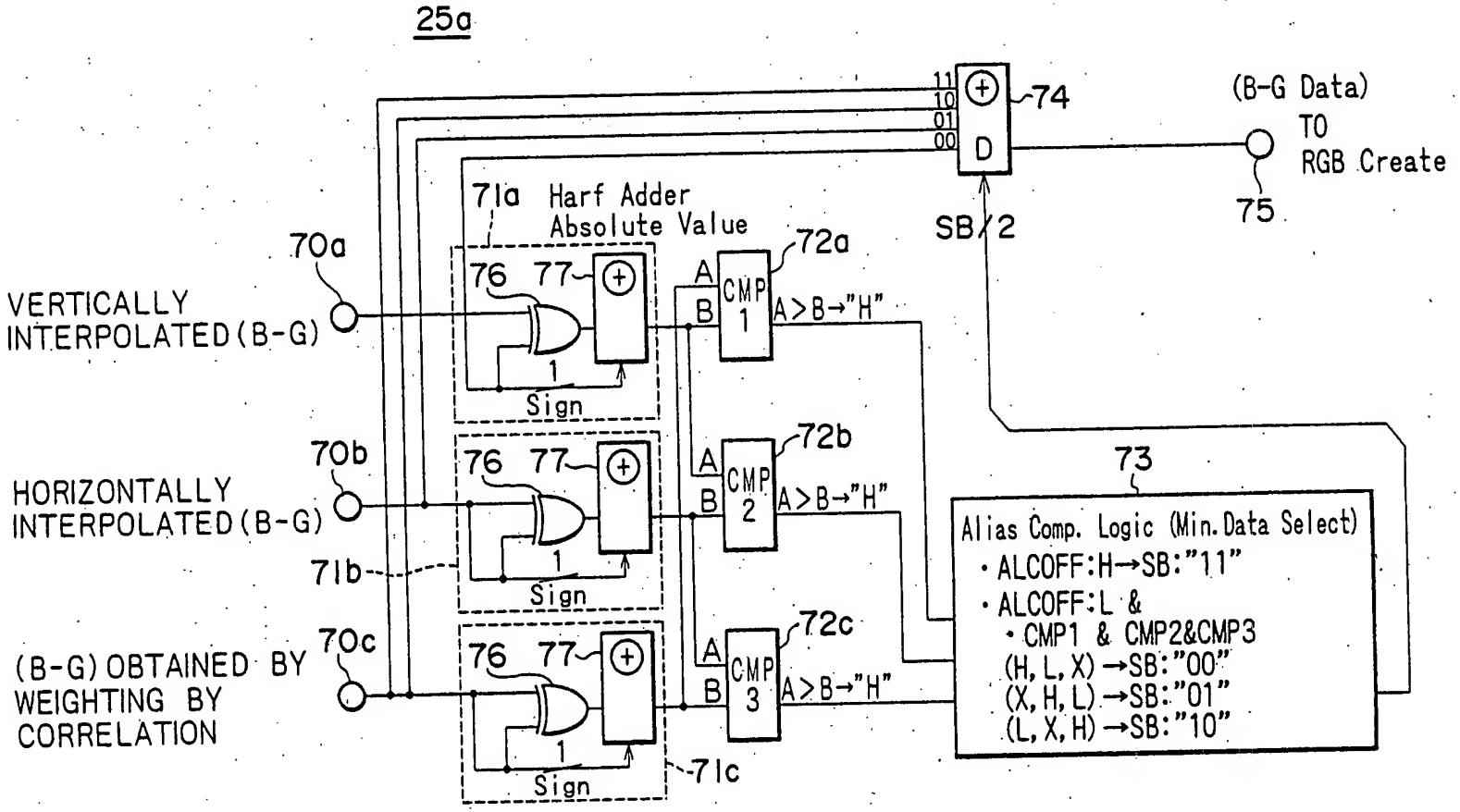

CONSTITUTION OF EMPHASIS/DEEMPHASIS CIRCUIT

FIG.26




INPUT/OUTPUT CHARACTERISTIC

FIG.27




CONSTITUTION OF COLOR-DIFFERENCE SIGNAL SUPPRESSER

FIG. 28A

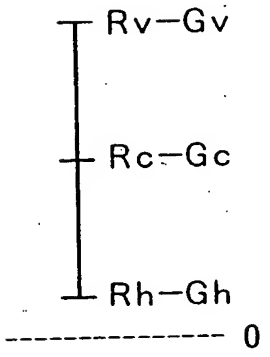
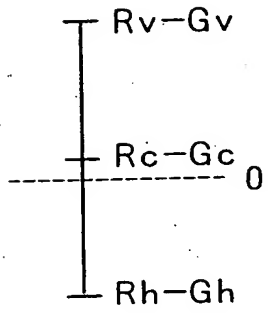



FIG. 28B




EXAMPLE OF SELECTING MINIMUM INTERPOLATED PIXEL DATA

FIG. 29A

| | | |
|---|---|---|
| G | R | |
| B | G | |
| | | |

FIG. 29B

| | | |
|---|---|---|
| G | Ye | |
| Cy | G | |
| | | |

ARRANGEMENT OF PIXEL DATA